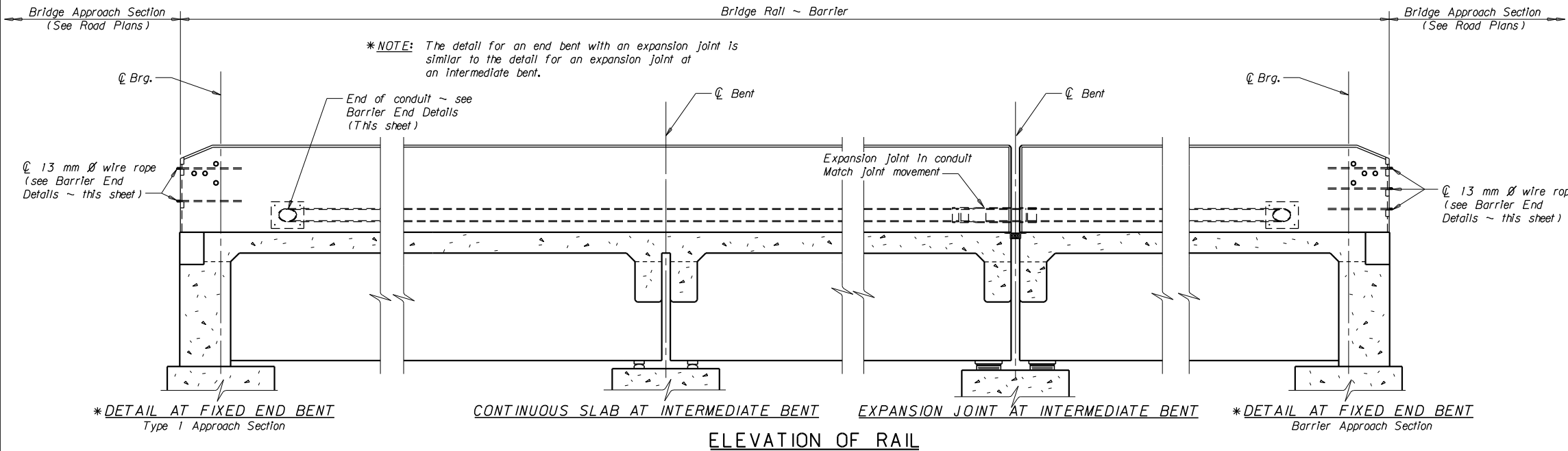




STATE	PROJECT NUMBER	SHEET NO.
MONTANA		



NOTES

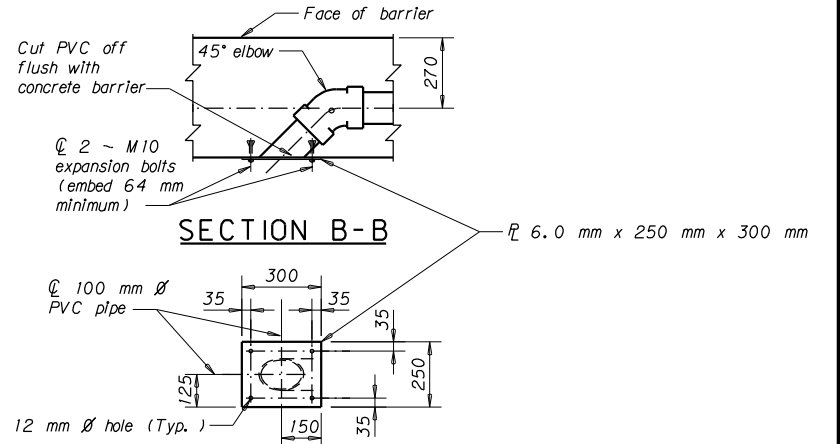
PLACEMENT: Do not place concrete barrier for at least 72 hours after concrete in slab has taken initial set.

REFLECTORS: Place a white reflector on top of the concrete barrier at 9.15 meter spacing. See Dtl. Dwg. No. 606-60 for reflector details.

PAYMENT: Include all costs associated with reinforcing steel in the barrier in the unit price bid for Reinforcing Steel - Epoxy Coated. Included all other costs associated with the barrier in the unit price bid for Barrier Rail - Cast in Place - Br. See Specifications.

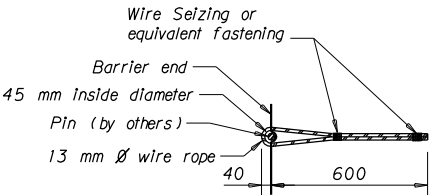
EXCEPTIONS: Use details shown on this drawing only as they apply to the project. Anchorage details may vary. Refer to other drawings for variations in these details.

RAIL WEIGHT: For informational purposes only, the rail weight is approximately 5.18 kN/m.



CONDUIT COVER PLATE DETAIL

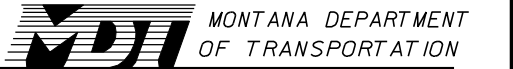
NOTE: Galvanize plates in accordance with AASHTO M 111M. Galvanize expansion bolts, nuts and washers in accordance with ASTM A 653M or AASHTO M 111M.



SECTION A-A

NOTE: Use zinc-coated steel wire (7) strand utilities grade wire rope with minimum breaking strength of 111.2 kN conforming to ASTM A 475.

NOTE: Use a connecting pin meeting the requirements of AASHTO M 227M Grade 310.

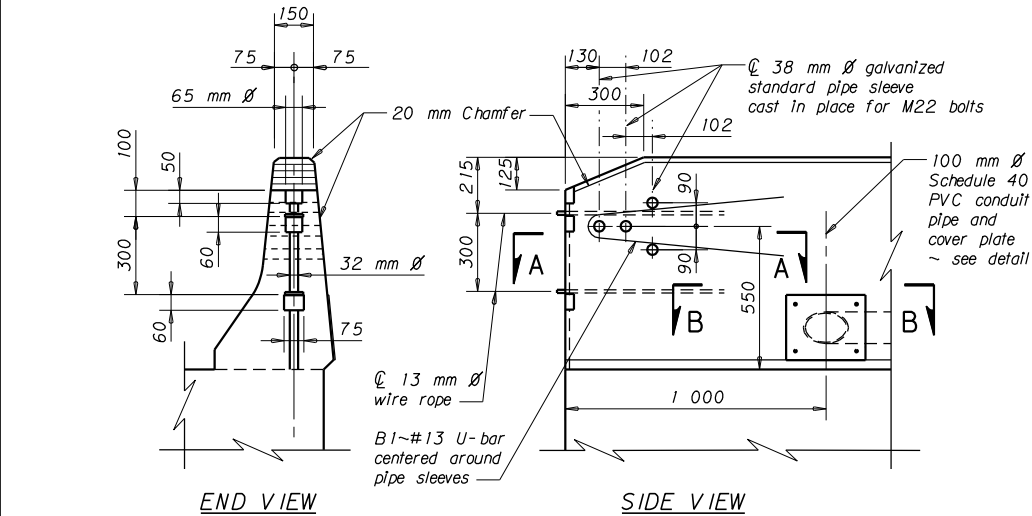


STANDARD BRIDGE RAIL TYPE BARRIER

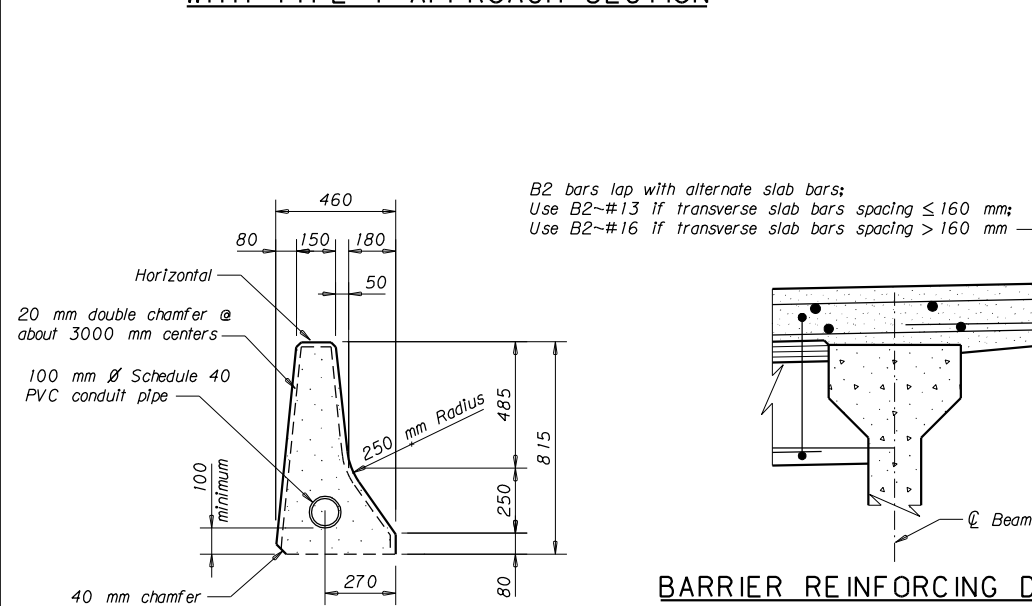
No Scale

DRAWN	7-29-08	T. J. B.
CHECKED	7-29-08	N. N. M.
APPROVED	7-31-08	D. F. J.
REVISED	2-1-11	D. F. J.
REVISED		
REVISED		
REVISED		
REVISED		

STD REF: MBRR211.STD DRAWING NO. MSBR-BRR



BARRIER END DETAILS WITH TYPE 1 APPROACH SECTION



BARRIER DETAIL

BARRIER REINFORCING DETAILS

CONDUIT EXPANSION JOINT DETAIL